WINTER DRIVING

in

and

OTHER PLACES

EFFECTS OF WEATHER ON EQUIPMENT

COLD WEATHER ENGINE STARTING AND WARM-UP PROCEDURES:

1. DO NOT RACE ENGINE!
2. CLEAN OFF VEHICLE COMPLETELY!
   - CLEAN ALL LIGHTS
   - SCRAPE ALL WINDOWS AND MIRRORS
   - SWEEP ALL THE SNOW OFF THE VEHICLE

Good all around visibility is important!!!!!

remember, BEING IN A HURRY WILL RESULT IN ACCIDENTS DOWN THE ROAD!

RISK MANAGEMENT DRIVING DECISIONS

- Can I make this trip later?
- What would be the safest route?
- Am I prepared for emergencies?

POOR RISK MANAGEMENT

OR

BAD JUDGEMENT?

DECEMBER 23, 1998: SERVICE MEMBER DEPARTED FORT HOOD DURING A WINTER WEATHER WARNING. FALLING SNOW MIXED WITH SLEET. ROADS PREDICTED TO HAVE SEVERE ICING. WHILE PASSING AN EIGHTEEN WHEELER ON IH35, SERVICE MEMBER LOST CONTROL OF HIS VEHICLE AND STRUCK A BRIDGE GUARDRAIL, THEN VEERED INTO THE PATH OF THE EIGHTEEN WHEELER. THE SOLDIER WAS KILLED.

DEFENSIVE DRIVING TECHNIQUES

- **Drive at reduced speeds so you can stop quicker.**
- **Give turn signals sooner than usual. This gives other drivers more time to react.**
- **Pump your brakes to warn of your intention to stop.**
- **Maintain at least triple the normal distance from the vehicle ahead. (6 seconds)**

OPERATING ON SNOW AND ICE

Drive in second or third gear rather than first or low. Engage the clutch gradually (or in d2, high, with automatic transmission), and accelerate no more than necessary to keep from stalling.

*** AVOID QUICK ACCELERATION ON SLICK ROADS. IT WILL CAUSE YOU TO SKID.**

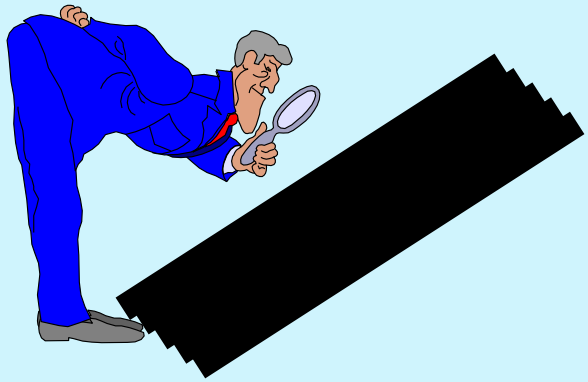
FRESH SNOW MAY CONCEAL AN ICY ROAD SURFACE.

BLACK ICE

DANGEROUS BECAUSE YOU CAN'T SEE IT!

COMMON AREAS YOU FIND IT:

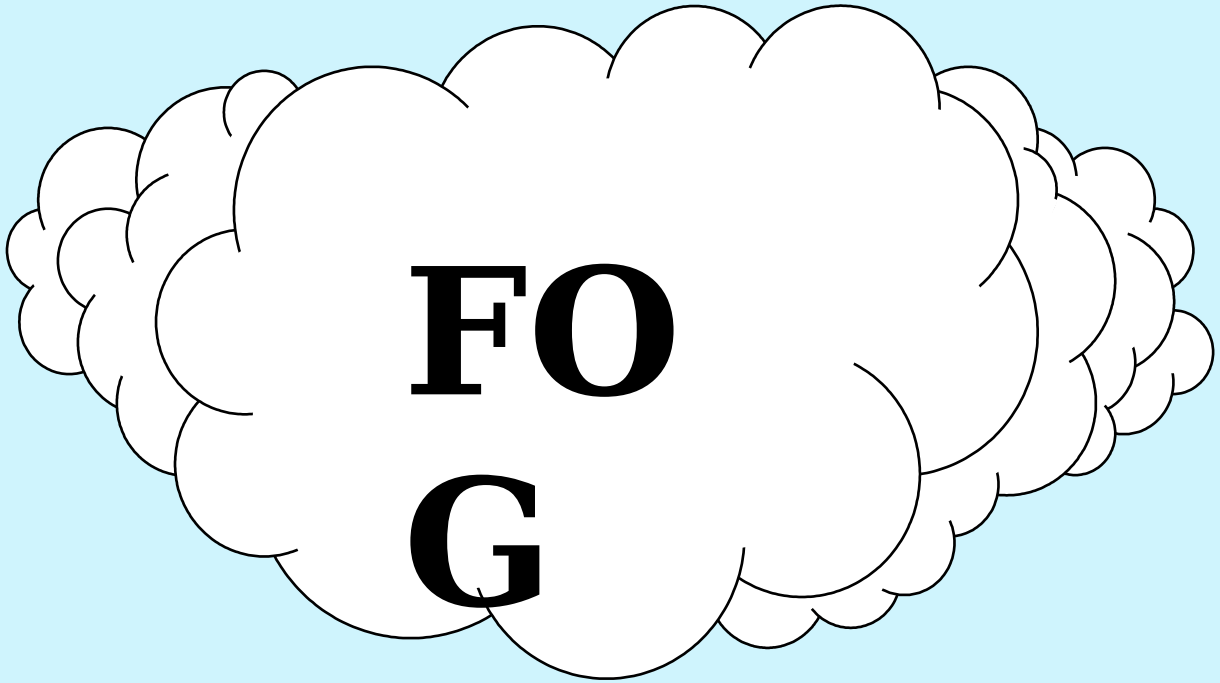
1. Bridges/Overpasses/Underpasses
2. Shaded areas.



BLACK ICE

REACTION

- **DO NOT PANIC!**
- **MAKE NO SUDDEN CHANGES IN SPEED OR DIRECTION**
- **EASE OFF ACCELERATOR**
- **STEER IN DIRECTION THAT THE REAR OF THE VEHICLE IS SKIDDING**



WHEN DRIVING IN FOG,
USE LOW-BEAM HEADLIGHTS,

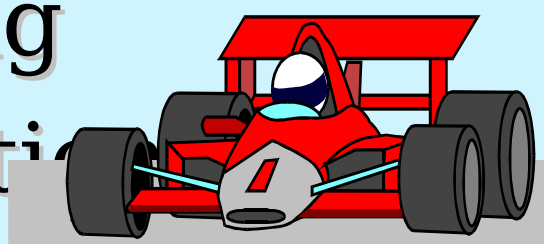
or

STOP, GET OFF THE ROADWAY, AND WAIT!!

SKIDS

Result from unexpected forces:

1. Black Ice
2. Driving to fast for conditions
3. Sudden steering corrections or braking
4. Sudden acceleration



SKIDS (CONTINUED)

If your vehicle begins to skid, take the following actions:

1. Front end skids - Release the brake and let the front wheels roll freely to regain traction and steering control.

2. Rear end skids - Take foot off of accelerator and turn wheels in the direction that the rear of the vehicle is skidding pump brakes lightly.

ROAD CLASSIFICATIONS

RED: **Roads are icy, driving is hazardous and is limited to mission essential traffic only. Installation activity is limited to mission essential training and operations. (national defense, health, safety and law & order)**

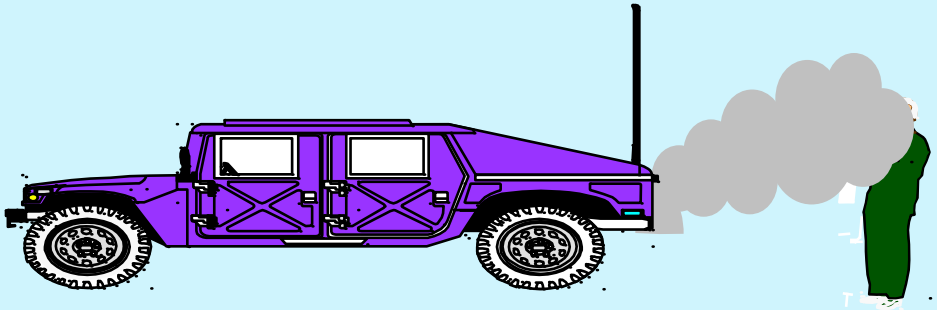
AMBER: **Caution, roads may be icy in spots. Exercise caution while driving. Installation operations and training continue as scheduled.**

GREEN: **Normal, all clear. No restrictions on driving or on installation operations.**

!!! DANGER !!!

CARBON MONOXIDE POISONING

Each year 1,500 people are killed in the U.S. by
monoxide, approximately 900 of whom die in th
More than 10,000 are exposed to levels so dang
medical attention is required.



CARBON MONOXIDE

Attributes/Effects

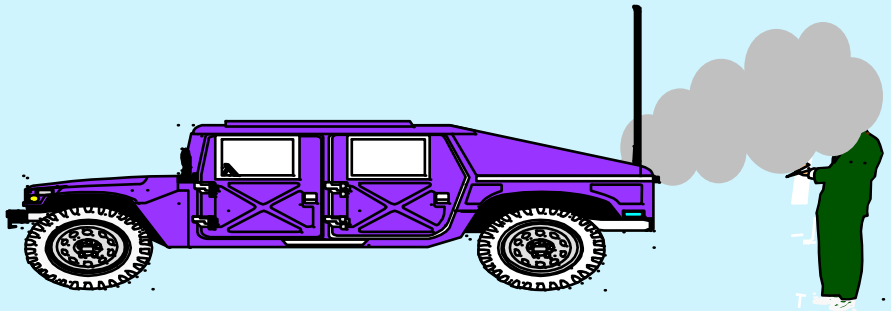
1. Odorless & Colorless
2. Nausea, Headache, Dizziness
3. Causes Drowsiness
4. CAN BE FATAL

CARBON MONOXIDE

Prevention

1. Never run engine in an enclosed area

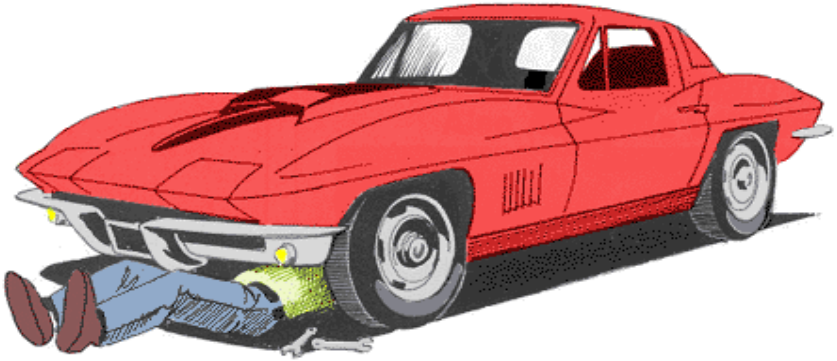
2. Check exhaust (muffler) for leaks



BEFORE TRIPS: CHECK

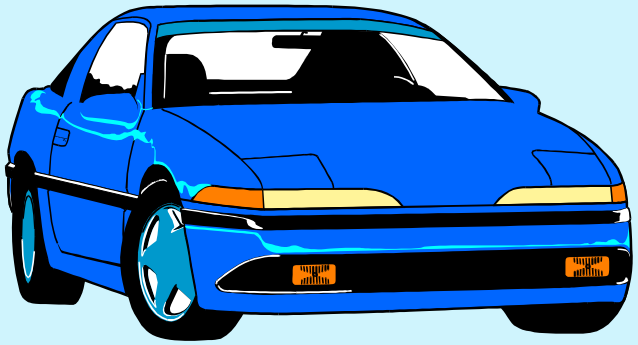
- BATTERY
- ANTIFREEZE
- WIPERS & FLUID
- IGNITION SYSTEM
- THERMOSTAT
- LIGHTS

- EXHAUST SYSTEM
- HEATER
- BRAKES
- DEFROSTER
- OIL LEVEL



For Safe Winter Driving

Know Your Vehicle



Brake System

To make an emergency stop on a slippery road with.

Regular Brakes

Pump the Brake Pedal

Antilock Brakes (ABS)

Press down and hold. The ABS will pump for you.

Drive System

Rear Wheel Drive Pushes

and

Front Wheel Drive Pulls

The systems may feel a little different, but always steer in the direction of the skid, and make gentle corrections to regain control

BEFORE TRIPS: PACK WINTER CAR KIT

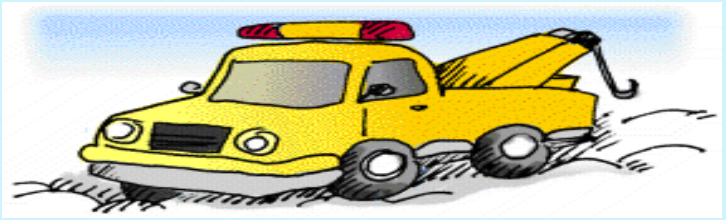
- SNOW BRUSH W/ SCRAPER
- FLASHLIGHT W/ BATTERIES
- BLANKET
- MITTENS, SOCKS & HAT
- SMALL SHOVEL
- SACK OF SAND OR KITTY LITTER
- JUMPER CABLES
- HAZARD SIGN, FLARES OR FLAG
- WINDSHIELD WASHER FLUID

KEY DRIVING TIPS

- ALLOW MORE TIME TO TRAVEL
- MAINTAIN MORE SPACE
- DRIVE WITH YOUR LIGHTS ON
- WEAR SAFETY BELTS
- LOOK WELL AHEAD
- ANTICIPATE PROBLEMS

STUCK IN SNOW

- CLEAR A PATH
- STRAIGHTEN FRONT WHEELS
- USE ABRASIVE MATERIALS UNDER WHEELS
- GENTLE PRESSURE ON ACCELERATOR
- DON’T SPIN WHEELS
- “ROCKING THE VEHICLE” - CHECK OWNER’S MANUAL
- LAST RESORT …



SUMMARY

- REMEMBER THE THREE P's
  - PREPARE FOR THE TRIP
  - PROTECT YOURSELF
  - PREVENT CRASHES ON THE ROAD
- SLOW DOWN!
- GIVE DISTANCE
- CLEAN OFF WINDOWS - SEE
- CLEAN OFF *ALL* LIGHTS AND TURN LIGHTS ON - BE SEEN

DRIVE TO ARRIVE ALIVE !